# Landscape Plan Resources

## LANDSCAPE PLAN/TREE PROTECTION CHECKLIST

The following is a checklist of items which typically need to be shown on the landscape plan:

1. Project title listing project name, owner name and name of firm or individual preparing the plan.
2. Scaled base plan using current information from the site development plan depicting existing and proposed grades.
3. North arrow.
4. Graphic and Written Scale.
5. Graphic legend depicting existing vegetation and proposed conditions.
6. Location of all improvements shown on the site development plan.
7. Location of all existing and proposed utilities and sewers.
8. Location of all proposed sediment control devices.
9. Graphic depiction of all existing trees including location, types and size.
10. Graphic depiction of the accurate drip line canopy of all existing trees showing the extent of the critical root zone.
11. Clear designation and tabulation of all existing trees to be saved or preserved, removed or impacted.
12. Proposed tree protection and preservation measures for all saved and impacted trees depicting, if necessary, root-pruning lines, protective devices and procedures including but not limited to fencing, boring, aeration, temporary special paving areas, retaining walls, etc.
13. General tree protection notes as per City standards.
14. Typical tree protection details as per City standards.
15. Tree planting details
16. Certification (signed and sealed) by a licensed Landscape Architect or Arborist in the State of Missouri.

## CITY OF CLAYTON TREE PROTECTION PLAN NOTES

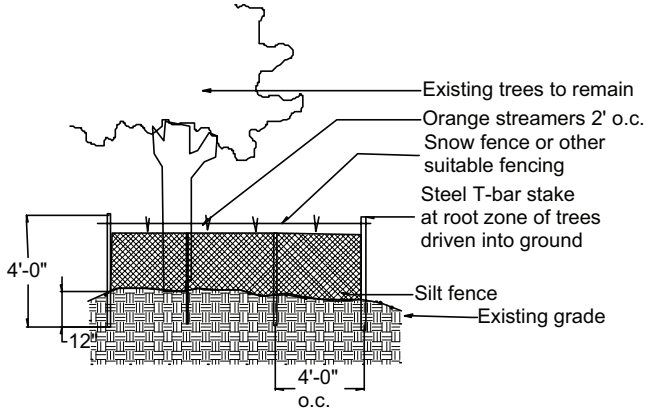
The following tree protection practices are to be followed. The information listed below is required on the landscape plan:

1. A pre-construction meeting shall be held on-site to explain protection measures to operators, construction supervisors, contractor's representatives, and the city representative (if necessary).
2. Contractor on the site shall stake clearing limits in order to facilitate location for trenching and fencing installation for tree protection.
3. No clearing or grading shall begin in areas where tree preservation measures have not been completed.
4. The sequence of tree preservation measures, if required, shall be as follows:
   a. Root pruning trenching;
   b. Tree protection fencing;
   c. Tree pruning and chemical treatment;
   d. Aeration systems installed;
5. The preceding measures shall be directed in the field by the construction supervisor.
6. Tree protection fencing shall be maintained and repaired by the contractor for the duration construction and approved by the city inspector. No alteration shall occur without prior approval by a city representative.

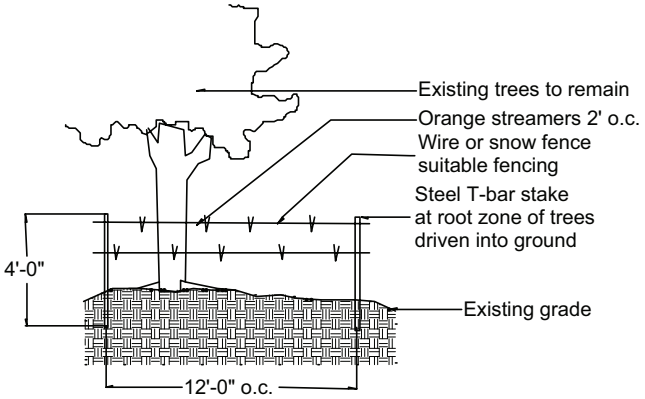
7. Access to fenced preservation areas by construction equipment, materials, or individuals that may cause harm to protected trees will not be allowed. Only limited access, if necessary, shall be permitted with the prior approval of the city inspector.
8. All designated aeration zones shall be protected with temporary fencing until final grading.
9. Removal of trees, shrubs, or undergrowth from protected areas shall be performed only when necessary and with hand tools only.
10. Attachment of any construction signs, fencing, etc. to any tree to be saved is strictly prohibited.
11. Upon construction completion, all temporary barriers, fencing, debris, etc. shall be removed from the site by the contractor.
12. All required protective fencing shall be installed along the clearing disturbance limits of the site.
13. Protective fencing shall be installed along the edge of all critical root zones of saved and impacted trees within the disturbed areas.

## CITY OF CLAYTON TREE PROTECTION DETAILS

The following details shall be used for the purpose of including on the Tree Preservation Plan:

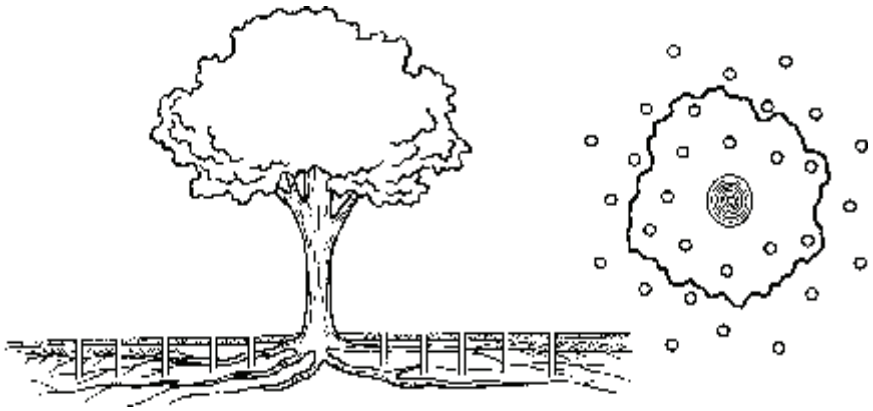



COMBINED SILT AND TREE PROTECTION FENCE




CONSTRUCTION FENCE FOR TREE PROTECTION

* Source: Steve Clark and Associates



*ROOT ZONE AERATION DETAIL - Radial Aeration *NOTE: Narrow trenches are to be dug in a radial pattern throughout the root zone. Begin the trenches 4-8 feet from the trunk of the tree to avoid cutting any major support roots. Trenches are to extend at least as far as the dripline of the tree. Trenches are to be a minimum of 1 foot in depth and may need to be deeper if the soil grade has been raised. Trenches are to be backfilled with topsoil or compost. Finish top layer of trench with a minimum 3 layer of wood chips. <u>This technique is to be used for only isolated trees,</u> where the roots of other trees would not be damaged.* Source: International Society of Arboriculture*

*ROOT ZONE AERATION DETAIL - Drilling Holes/Vertical Mulching **
NOTE: Holes are to be 2-4 inches in diameter and made about 3 feet on center, throughout the root zone of the tree. Depth shall be at least 12 inches and may be deeper if the soil grade has been raised. Holes are to be filled with peat moss, wood chips, pea gravel or other materials that maintain aeration and support root growth. * Source: International Society of Arboriculture